

For Research Use Only

AURKA Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66757-1-PBS

Featured Product

Basic Information

Catalog Number:

66757-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG3

Immunogen Catalog Number:

AG20096

GenBank Accession Number:

BC002499

GeneID (NCBI):

6790

UNIPROT ID:

O14965

Full Name:

aurora kinase A

Calculated MW:

46 kDa

Observed MW:

46-52 kDa

Purification Method:

Protein A purification

CloneNo.:

1F4B10

Applications

Tested Applications:

Cytometric bead array, Indirect ELISA, IF/ICC, IHC, WB

Species Specificity:

rat, mouse, human

Background Information

AURKA(Aurora kinase A), also named as STK6, STK15 or AIK, belongs to the Ser/Thr protein kinase family. This protein may play a role in cell cycle regulation during anaphase and/or telophase by being involved in microtubule formation and/or stabilization. Some recent evidence revealed that AURKA may also be implicated in tumor development and progression. AURKA is expressed highly in testis and various proliferating cells, migrating as a 46 kDa protein in SDS PAGE. Nuclear staining for AURKA is weak or nonexistent in normal tissue but strong in tumor tissue(PMID:19107951).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

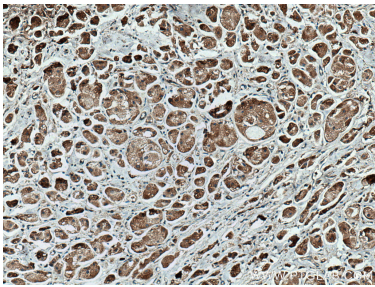
T: 4006900926

E: Proteintech-CN@ptglab.com

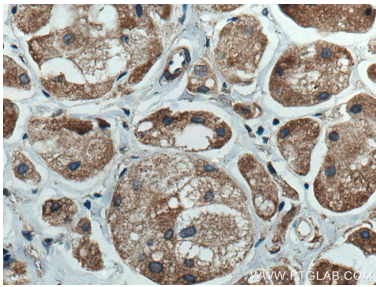
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

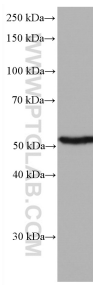
Selected Validation Data



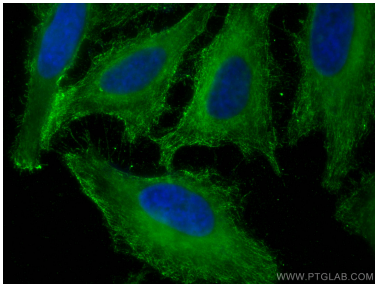
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66757-1-Ig (AURKA antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



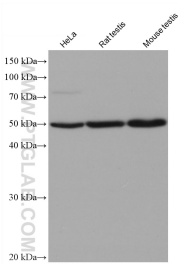
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66757-1-Ig (AURKA antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



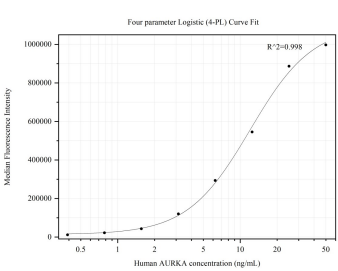
human testis tissue were subjected to SDS PAGE followed by western blot with 66757-1-Ig (AURKA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using AURKA antibody (66757-1-Ig, Clone: 1F4B10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66757-1-Ig (AURKA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50265-1, AURKA Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66757-2-PBS. Detection antibody: 66757-1-PBS. Standard: Ag20096. Range: 0.391-50 ng/mL.